MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

JANUARY, 1939

J. A. BROWN, DIRECTOR

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U S Dept of Commerce

JANUARY 1939
METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	59.0	58.5	59.1	58.9	16.2	12.2	13.8	14.6	14.9	14.4
2	9.5	60.9	63.0	61.1	15.6	8.3	13.3	13.7	11.6	12.8
3	65.5	5.0	5.8	5.4	14.2	9.1	10.8	13.8	11.3	12.0
4	7.4	6.3	7.0	6.9	15.0	10.1	12.2	14.9	11.1	12.7
5	5.9	4.7	4.0	4.9	17.3	11.8	13.3	15.2	12.7	13.7
6	61.8	61.1	62.0	61.6	17.2	12.2	14.9	16.2	13.3	14.8
7	2.7	2.7	2.9	2.8	16.3	11.1	14.1	13.6	11.8	13.2
8	3.9	2.7	2.5	3.0	16.0	11.7	13.8	15.5	14.4	14.6
9	1.7	1.4	2.8	2.0	16.7	11.4	14.4	16.4	13.3	14.7
10	3.6	1.8	1.5	2.3	16.6	12.8	13.3	16.6	15.9	15.2
11	61.2	60.8	61.3	61.1	17.1	9.4	13.0	12.7	10.1	11.9
12	5.6	5.8	7.2	6.2	16.8	12.2	13.8	16.6	13.9	14.8
13	70.1	8.9	9.4	9.5	17.8	12.4	13.7	17.4	14.9	15.3
14	0.1	8.1	9.2	9.1	16.7	11.7	14.8	16.6	14.4	15.3
15	69.2	7.7	7.9	8.3	16.7	12.8	14.9	16.1	13.4	14.8
16	66.7	65.7	66.5	66.3	16.0	10.8	14.7	15.5	13.4	14.5
17	7.3	5.7	6.4	6.5	16.0	10.8	12.9	15.5	13.3	13.9
18	7.3	6.3	7.1	6.9	15.8	10.7	13.8	15.5	13.3	14.2
19	7.4	7.1	6.5	7.0	16.3	12.2	13.3	15.8	13.3	14.1
20	5.6	3.5	2.7	3.9	17.0	12.8	15.2	16.6	15.2	16.2
21	59 5	59.0	59.6	59.4	18.3	11.7	14.8	18.3	15.2	16.1
22	9.9	9.8	61.0	60.2	15.6	11.1	12.7	12.8	12.2	12.6
23	63.3	62.8	3.3	3.1	16.8	12.0	13.3	16.6	14.4	14.8
24	2.1	1.3	2.3	1.9	17.1	11.1	13.6	15.1	11.3	13.3
25	59.0	58.0	58.0	58.3	18.3	11.1	14.9	14.9	13.8	14.5
26	57.3	57.0	59.6	58.0	16.5	12.2	12.9	14.7	13.3	13.6
27	61.3	61.9	64.0	62.4	16.7	11.9	13.8	13.4	12.7	13.3
28	6.5	5.6	6.4	6.2	17.2	11.7	14.6	17.2	14.4	15.4
29	6.2	4.6	5.1	5.3	17.5	12.1	13.6	16.8	15.5	15.3
30	4.8	3.8	3.4	4.0	17.2	12.5	13.3	16.3	15.5	15.2
31	1.3	58.1	56 6	58.7	17.9	13.6	14.4	17.2	16.3	16.0
	763.96	763.12	763.68	763.59	16.53	11.50	13.75	15.61	13.55	14.30

Barometer, range for month 756.6 mm.—770.1 mm.
„ 62-yr. average for month 763.36 mm.
Thermometer, range for month 8.3 C.—18.3° C.
„ 62-yr. average for month 13.72° C.
Rain, total for month 172.7 mm.
„ , 62-yr. average for month 183.9 mm.
„ , total, from Sept. 1st 601.0 mm.

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METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	9.5	10.5	9.0	9.7	81	85	71	79	0.0	940.0	13.2
2	10.6	7.4	6.6	8.2	94	64	65	74	2.5	688.0	42.4
3	7.4	8.3	6.6	7.4	77	70	67	71	4.7	303.0	5.6
4	6.8	7.3	6.2	6.8	64	57	64	62	5.8	296.0	
5	6.9	7.7	6.7	7.1	61	60	61	61	9.3	319.0	
6	7.3	8.8	8.3	8.1	57	64	72	64	9.0	333.0	
7	9.0	9.7	9.3	9.3	76	84	91	84	1.4	397.5	4.1
8	8.3	9.3	9.3	9.0	70	71	76	72	9.4	370.0	
9	8.7	8.9	8.6	8.7	71	65	75	70	9.4	232.0	
10	7.0	9.4	7.9	8.1	63	68	59	63	1.3	412.5	
11	10.3	9.5	9.1	9.6	93	87	99	93	0.0	377.0	26.6
12	8.3	10.1	9.5	9.3	70	72	80	74	4.4	373.5	0.3
13	9.6	10.7	10.2	10.2	82	72	80	78	1.3	318.0	1.5
14	9.9	10.1	10.0	10.0	79	72	81	77	9.5	243.0	2.3
15	8.2	10.4	9.0	9.2	64	77	78	73	9.5	243.0	
16	8.7	10.0	9.3	9.3	70	76	81	76	4.4	340.0	1.8
17	8.8	8.7	8.6	8.7	73	67	75	74	9.0	373.0	3.8
18	7.9	8.7	8.7	8.4	66	67	77	70	9.6	332.0	
19	8.6	8.9	8.6	8.7	75	66	75	72	9.6	311.7	
20	8.9	9.6	10.5	9.7	70	61	82	71	7.1	261.8	
21	9.2	9.6	10.5	9.7	73	61	82	72	9.1	431.0	
22	10.2	10.9	9.8	10.3	85	98	93	92	0.0	605.0	19.3
23	10.6	10.1	9.3	10.0	94	72	76	81	5.4	430.0	4.1
24	8.8	9.5	9.6	9.3	75	75	96	82	0.8	570.0	8.6
25	7.4	9.6	9.9	9.0	57	76	84	72	1.1	746.0	5.1
26	9.9	10.6	9.9	10.1	89	86	87	87	2.8	640.0	28.9
27	8.3	10.6	9.8	9.6	70	92	91	84	0.0	578.0	3.6
28	9.8	10.5	10.0	10.1	79	72	81	77	7.8	379.0	1.5
29	8.8	9.3	10.0	9.4	75	66	76	72	9.0	456.0	
30	8.6	9.9	10.0	9.5	72	72	76	73	9.9	418.0	
31	10.0	10.5	8.0	9.5	81	72	58	70	5.2	369.0	
	8.77	9.52	9.00	9.10	74.6	72.5	77.7	75.0	5.43	434.7	5.57

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of readings minus 2 hours equals G. C. T.

62-year averages are for period, 1875-1936

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METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10ni	10ni	10ni	10.0	4s	5s	6s	mod.	
2	10ni	10ni	9ni	9.7	5s	6w	5w	rough	
3	3cu	8cu	5cu	5.3	3e	1w	2w	mod.	
4	4ci	8cuci	0	4.0	3se	2nw	3n	calm	
5	0	0	0	0.0	2se	2n	3n	slight	
6	0	4ci	9ci	4.3	3e	2n	3n	„	
7	10ni	10ni	2ci	7.3	3s	5ne	2n	„	
8	0	1ci	0	0.3	3n	3n	3n	mod.	
9	0	1cu	0	0.3	3s	3w	3w	slight	
10	5cuci	10cini	0	5.0	2se	3n	3n	mod.	
11	10ni	10ni	10ni	10.0	4s	3sw	4w	„	
12	8cuni	4cu	2cu	4.7	3s	3s	3sw	slight	
13	10ni	10ni	10ci	10.0	2s	2sw	3w	„	
14	8cu	2cu	2w	3.3	3s	2w	2w	calm	
15	2cu	1ci	0	1.0	2se	3n	2n	„	
16	7cuci	3cu	0	3.3	2se	2w	2w	„	
17	2ci	0	0	0.7	2e	3n	3n	slight	
18	0	2ci	0	0.7	3se	3n	3n	calm	
19	0	0	0	0.0	3se	2n	4n	„	
20	0	8ci	0	2.7	2n	2n	4n	„	
21	3ci	2ci	10ni	5.0	1se	3sw	2w	slight	
22	10cuni	10cuni	9cu	6.3	3se	4s	4s	„	
23	10ni	2cuni	0	4.0	3s	3sw	4w	„	
24	10cini	10ni	10ni	10.0	3se	4s	5s	„	mist on sea a.m.
25	10ni	10ni	10ni	10.0	4se	5s	5w	„	hl. gl. th.st. at night
26	10ni	10ni	5cu	8.3	4s	6sw	4sw	mod.	
27	10cuni	10cuni	10ni	10.0	4s	4s	4s	„	
28	8cu	2ci	4ci	4.7	3s	3w	4w	calm	
29	7ci	3ci	0	3.3	2e	4n	4n	slight	
30	0	3ci	3ci	2.0	3e	3n	4w	„	
31	6ci	2ci	10cuci	6.0	2s	2n	2nw	calm	
				4.91	2.9	3.2	3.4		

10 11 12

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	2	0	5	11	13	0	0	0	0	31
14:30	12	1	0	0	6	5	6	1	0	31
20:30	12	0	0	0	4	2	12	1	0	31
Totals	26	1	5	11	23	7	18	2	0	93

Number of days with rain 17, fog 0, thunderstorms, 1 gale 1.

62-yr. average number of days with rain during month 15.3